JUN 2 1 2002 3

Page 1of 6
SERIAL NO. LIST OF ART CITED BY AFFECT ATTY. DOCKET NO.

87354.1561 09/846,375 APPLICANT

Craig S. RENDAHL et al.

| - | | (DOD) : : | 4.05 | | Craig S. RENDAHL et al. | | | | | |
|----------|--|--|--------------|--------------|---------------------------------------|------------|-----------------------|-------------|--|--|
| | (PTO-1449) | | | | FILING DATE | | GROUP | | | |
| Ų | | | | | 05/02/01 | | 3929 -2878 | | | |
| | U.S. PATENT DOCUMENTS | | | | | | | | | |
| - | EXAMINER'S | PATENT NO. | DATE | PATENT | NAME | CLASS | SUBCLASS | ET THE DATE | | |
| | INITIALS | | | | NAME | CLASS | SUBCLASS | FILING DATE | | |
| <u>A</u> | 1×C | 3,811,776 | 05/21/74 | BLAU, J | | 356 | 51 | 02/26/73 | | |
| В | TXL | 3,957,372 | 05/18/76 | JOWETT (| | 356 | 51 | 12/19/74 | | |
| C | TXL | 3,696,247 | 10/03/72 | MCINTOSI | | 250 | 83.3 н | 11/12/70 | | |
| D | IX | 3,958,122 | 05/18/76 | JOWETT 6 | | 250 | 346 | 12/19/74 | | |
| E | TXC | 3,973,848 | 08/10/76 | JOWETT 6 | | 356 | 51 | 12/19/74 | | |
| F | TXL | 4,012,144 | 03/15/77 | HEDELMAN | | 356 | 73 | 08/07/75 | | |
| G | 12 | 4,013,260 | 3/22/77 | | HIE et al. | 250 | 343 | 09/27/74 | | |
| H | 1 Xi | 4,160,373 | 07/10/79 | Fastaia | | 73 | 23 | 02/27/78 | | |
| I | TXZ | 4,171,909 | 10/23/79 | KRAMER 6 | et al. | 356 | 73 | 03/25/77 | | |
| J | TXC | 4,204,768 | 05/27/80 | N'GUYEN | | 356 | 243 | 06/16/78 | | |
| K | TXL | 4,310,249 | 01/12/82 | KRAMER | | 356 | 414 | 10/09/79 | | |
| <u> </u> | TXC | 4,348,732 | 09/07/82 | KREFT | | 364 | 571 | 01/29/80 | | |
| M | TXC | 4,372,155 | 02/08/83 | BUTLER 6 | et al. | 73 | 114 | 05/20/81 | | |
| N | TXC | 4,390,785 | 06/28/83 | | R et al. | 250 | 330 | 12/29/80 | | |
| 0 | 172 | 4,432,316 | 02/21/84 | OGITA | | 123 | 328 | 09/14/81 | | |
| Р | TXC | 4,490,845 | 12/25/84 | STEINBRU | EGGE et al. | 382 | 1 | 02/02/82 | | |
| Q | TXC | 4,560,873 | 12/24/85 | MCGOWAN | | 250 250 | 339 | 06/17/83 | | |
| R | NL | 4,602,160 | 07/22/86 | | MACTAGGART | | 341 | 09/28/83 | | |
| S | 1x | 4,632,563 | 12/30/86 | LORD, III | | 356 | 437 | 06/12/84 | | |
| T | 1700 | 4,638,345 | 01/20/87 | ELABD et al. | | 357 | 24 | 06/01/83 | | |
| · | FOREIGN PATENT DOCUMENTS | | | | | | | | | |
| | EXAMINER'S INITIALS | PATENT NO. | DATE | (| OUNTRY | CLASS | SUBCLASS | Translation | | |
| U | 111111111111111111111111111111111111111 | | | | · · · · · · · · · · · · · · · · · · · | | | | | |
| | ОТНЕ | R ART (Incl | uding Autho | or Title | , Date, Perti | nont Da | 705 F±5 \ | | | |
| V | | Radian Corr | Develor | ning an I | nspection/Mai | ntonance | Drogram | For | | |
| | TXC | Alternative | elv-Fueled | vehicles" | '· 1993 | ncenanci | e Program | 101 | | |
| W | - A 7 | ISLAM, Muha | ammed. RENDA | AHI Crai | g S., CORS, R | ehecca. | "Wisconsi | n' = | | |
| 1 | 1XX | Remové Vehi | cle Emissio | ons Sensi | ng Study"; Fi | nal Ren | wisconsi | 11 5 | | |
| X | V1 | WALSH, P.A. | , GERTLER. | A.W.: "T | exas 1996 Rem | nte Sen | sing Eassi | hility | | |
| Ĺ | TXL | Study"; Fir | ial Report | 1997 | exas 1550 Rein | occ sen. | orny reasi | Dility | | |
| Y. | | POPP, Peter | J.: "Deve | opment o | f a High-Spee | d Ultrav | /iolet | | | |
| | HV | POPP, Peter J.; "Development of a High-Speed Ultraviolet Spectrophotometer Capable of Real-Time NO and Aromatic Hydrocarbon | | | | | | | | |
| ì | 111 | Detection 1 | n venicie E | Exhaust": | pp. 4-3 & 4- | 12:Coord | dinating R | esearch | | |
| <u> </u> | | Detection in Vehicle Exhaust"; pp. 4-3 & 4-12; Coordinating Research Council 1997 MCVEY, Iain Frederick; "Development of a Remote Sensor for Mobile | | | | | | | | |
| Z | 1X/ | MCVEY, Iain | :Frederick; | "Develo | pment of a Re | mote Ser | sor for M | obile | | |
| <u></u> | 111 | Source Mich | ic Oxide : | universi | tv of Denver | 1992 | | | | |
| AA | | DEALUN. S.P | ' BISHOP | G A and | STEDMAN D LI | · "Emico | sions | | | |
| 1 | 1XC | \sim 1 character 13thc3 of McX100 C110 velil(1eV: 1)) 4/ 14/4=14/4 1011rn31 1 | | | | | | | | |
| | * | 101 ATT and waste Management ASSOC. 1997 | | | | | | | | |
| BB | | ZHANG, Yi, STEDMAN, Donald H., BISHOP, Gary A BEATON STUART B | | | | | | | | |
|] . | $ \mathcal{T}_{\mathcal{N}_{-}} $ | TOURNITIER, Paul I. dill Milley Tall E. Enhancement of Domoto Concine I | | | | | | | | |
| | TOT MODITE Source Nitric Oxide": Journal of Air & Waste Management | | | | | | | | | |
| L | 1996; Vol. 46, pp. 25-29 POPP, Peter John; "Remote Sensing of Nitric Oxide Emissions from | | | | | | | | | |
| CC | TX1 - | POPP, Peter | John; "Rem | ote Sens | ing of Nitric | Oxide E | missions | from | | |
| | 1/1 | Planes, Tra | ins and Aut | omobiles | "; University | of Denv | er 1999 | | | |
| EXAM | IINER | | <i>y</i> | DA | TE CONSIDERED | 0/- | | | | |
| | | /// | han | - | | X /O | | | | |

EXAMINER: Initial if reference copsidered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

TE TRADE ATTY, DOCKET NO. SERIAL NO. 87354.1561 09/846,375 LIST OF ART CITED BY APPLICANT APPLICANT Craig S. RENDAHL et al. (PTO-1449) FILING DATE GROUP 05/02/01 3929 U.S. PATENT DOCUMENTS EXAMINER'S PATENT NO. DATE NAME CLAS5 SUBCLASS FILING DATE **INITIALS** WELBOURN et al. リメレ 4,663,522 05/05/87 250 223 R 10/04/85 4,678,914 4,687,934 250 В 07/07/87 txi MELROSE et al. 343 04/30/84 C Tru 08/18/87 250 343 PASSARO et al. 01/10/86 4,710,630 4,746,218 4,795,253 4,818,705 TXC D 12/01/87 KUPPENHEIMER, JR. et al. 250 353 08/07/85 356 E IX 05/24/88 LORD, III 437 09/05/86 122 SANDRIDGE et al. 356 F 01/03/89 51 04/24/87 IXL 04/04/89 G SCHNEIDER et al. 436 03/12/87 164 4,829,183 05/09/89 Н 47/ MCCLATCHIE et al. 250 346 09/11/87 4,868,622 Ι 09/19/89 SHIGENAKA 357 30 10/27/87 TXL 4,875,084 4,914,719 4,924,095 $1 \overline{\lambda_C}$ 10/17/89 03/28/88 J TOHYAMA 357 30 TXL CONLON et al. 04/03/90 250 K 339 03/10/89 DXC. 05/08/90 SWANSON, JR. L 250 338.5 11/23/88 250 06/05/89 Μ 120 999,498 03/12/91 HUNT et al. 338.5 4,963,023 5,002,391 5,041,723 10/16/90 GOLDOVSKY et al. 04/17/89 Ν 356 308 TXL. 0 03/26/91 WOLFRUM et al. 356 307 12/02/88 $\mathbf{W}^{\mathcal{U}}$ Р $\propto \sim$ 08/20/91 ISHIDA et al. 250 339 09/28/90 5,061,854 10/29/91 04/10/90 Q 250 339 TX kROUTIL et al. 5,076,699 126 12/31/91 R RYAN et al. 356 437 05/01/89 TXC 5,157,288 5,185,648 10/20/92 S 03/15/91 HILL 307 511 TX 02/09/93 BAKER et al. 257 189 09/10/91 FOREIGN PATENT DOCUMENTS EXAMINER'S PATENT NO. DATE COUNTRY CLASS SUBCLASS Translation INITIALS Ű OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

ZHANG, Yi, STEDMAN, Donald H., BISHOP, Gary A., BEATON, Stuart P., and GUENTHER, Paul L.; "Worldwide On-Road Vehicle Exhaust Emissions Study by Х Remote Sensing"; Environmental Science & Technology 1995; vol 29#9. Pp.2286-2294 Υ GLOVER, Edward L., MICKELSEN, Jan and MCCLEMENT Dennis; "Evaluation of Methods to Determine Catalyst Efficiency in the Inspection/Maintenance Process; Society of Automotive Engineers; SAE#9600092 BUTLER, James, GIERCZAK, Christine and LISCOMBE Paula; "Factors Affecting the NDIR Measurement of Exhaust Hydrocarbons"; Coordinating Research Council 1995; pp.4-171 & 4-190 Z MACKAY, Gervase I., NADLER, S. Don, KARECKI, David R., SCHIFF, Harold I., BUTLER, James W., GIERCZAK, Christine A. and JESION, Gerald; "Final Phase AA 1b Report to the CRC and NREL for Research Performed Under Agreement Number VE-8-2"; Coordinating Research Council 1994
PETERSON, James E. and STEDMAN, Donald H.; "Find and Fix the Polluters";
Chemtech 1992; pp.47-53 BB CC BISHOP, Gary A. and STEDMAN Donald H.; "Infrared Emissions and Remote Sensing"; Journal of Air and Waste Management Assoc. 1992; Vol. 42#5, pp.695-697 BISHOP, Gary A., STARKEY, John R., IHLENFELDT, Anne, WILLIAMS, Walter J. DD and STEDMAN Donald H.; "IR Long-Path Photometry: A Remote Sensing Tool for Automobile Emissions"; Analytical Chemistry 1989; Vol. 61#10, pp. 671A-677A **EXAMINER** DATE CONSIDERED

EXAMINER: Initial if reference coordered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



| | | | TA TRADE | <u></u> | | | | | |
|--------------------------------|--|---|-------------|---|---------------------------------|----------------------------|------------|-------------------|--|
| ATTY. DOCKET NO. SERIAL NO. | | | | | | | | | |
| LIST OF ART CITED BY APPLICANT | | | | | 87354.1561 09/846,375 | | | | |
| LIST OF ART CITED DT ATTEICANT | | | | | APPLICANT GOVERNMENT | | | | |
| | | | | | Craig S. RENDA | AHL et al. | | | |
| | | | FILING DATE | | GROUP | | | | |
| li . | | (PTO-14 | | 05/02/01 | | 3929 | | | |
| \ | | | | | 03/02/01 | | | | |
| 1 | | | 11.5 | PATENT | DOCUMENTS | | | | |
| | EXAMINER'S | PATENT NO. | DATE | · IAICIII | NAME | CLASS | SUBCLASS | FILING DATE | |
| | INITIALS | | | | | 1 | 305027.33 | 1121110 07112 | |
| Α | 700 | 5,210,702 | 05/11/93 | BISHOP | et al. | 364 | 496 | 12/26/90 | |
| В | XL | 5,239,860 | 08/31/93 | HARRIS | et al. | 73 | 61.48 | 05/13/91 | |
| C | TXL | 5,252,828 | 10/12/93 | KERT et | | 250 | 339 | 04/07/92 | |
| D | -04 | 5,255,511 | 10/26/93 | MAUS et | | 60 | 274 | 09/18/92 | |
| E | TXL | 5,307,626 | 05/03/94 | MAUS et | | 60 | 274 | 09/18/92 | |
| F | TXC | 5,319,199 | 06/07/94 | STEDMAN | | 250 | 338.5 | 06/08/92 | |
| G | 472 | 5,332,901 | 07/26/94 | | | 250 | 345 | | |
| | | | | ECKLES (| et al. | | | 03/15/91 | |
| H | TXC | 5,343,043 | 08/30/94 | JOHNSON | | 250 | 338.5 | 09/13/93 | |
| I | Der | 5,361,171 | 11/01/94 | BLEIER | | 359 | 855 | 03/04/93 | |
| J | TX | 5,371,367 | 12/06/94 | | ICO et al. | 250 | 338.5 | 04/13/93 | |
| K | IXZ | 5,373,160 | 12/13/94 | TAYLOR | | 250 | 338.5 | 05/04/93 | |
| L | TXV | 5,401,967 | 03/28/95 | STEDMAN | | 250 | 338.5 | 06/03/94 | |
| М | 1 DXZ | 5,418,366 | 05/23/95 | RUBIN et | t al. | 250 | 338.5 | 05/05/94 | |
| N | X | 5,489,777 | 02/06/96 | STEDMAN | et al. | 250 | 338.5 | 03/03/95 | |
| 0 | XZ | 5,498,872 | 03/12/96 | STEDMAN | | 250 | 338.5 | 04/21/95 | |
| P | 7×2- | 5,545,897 | 08/13/96 | JACK | | 250 | 339.13 | 10/04/94 | |
| Q | TXL. | 5,583,765 | 12/10/96 | KLEEHAM | ΛFR | 364 | 423.098 | 08/23/94 | |
| R | 1 txu | 5,591,975 | 07/07/97 | JACK et | | 250 | 338.5 | 10/05/94 | |
| S | 724 | 5,621,166 | 04/15/97 | BUTLER | aı. | 73 | 116 | 04/06/95 | |
| T | 17XU | 5,644,133 | 07/01/97 | | ICO et al. | 250 | 338.5 | | |
| - ' | 1 (1/4 | 3,044,133 | | | | 1230 | 338.3 | 07/25/95 | |
| | EXAMINER'S | PATENT NO. | | | DOCUMENTS | | 1 | 1 | |
| 1 | INITIALS | PATENT NO. | DATE | | COUNTRY | CLASS | SUBCLASS | Translation | |
| U | IMITIALS | | | | | | | 1 | |
| <u> </u> | OTHI | FR ART (Incl | uding Auth | or Title | e, Date, Perti | nent Da | des Etc | <u> </u> | |
| V | | AVELSON L | Jakan ETLA | DD Ando | rs, EMANUELSSO | M Anna | yes, Ett.) | P.O. | |
| * | | EDNED Land | DECNADO | M Dan an | d KLOO Honrik | MODELL | romont of | , bu, Aromatic | |
| | EDNER, Hans, REGNARSON Par and KLOO Henrik; "Measurement of Aromatic | | | | | | | AFOMALIC 100F. | |
| | 17 | Hydrocarbons with the DOAS Technique"; Applied Spectroscopy 1995; Vol. 49#9, pp.1254-1260 | | | | | | | |
| 1./ | | VOI. 49#9, | pp.1254-12 | 00 | | | | | |
| W | | BAUM, Marc | M., KIYOMI | YA, Eile | en S., KUMAR S | ası_and | LAPPAS, A | Anastasios | |
| | | M. Muitic | component R | emote Sei | nsing of Vehic | ile Exha | ust by Dis | spersive | |
| | 1 2X (~ | ADSORPTION | Spectrosco | py. 1. E | ffect of Fuel | Type an | a Catalysi | t 34 0 | |
| | , , | Performance | e ; Environ | mental S | cience and Tec | nnology | 2000; pp. | . 34 & | |
| <u></u> | ļ | 2851-2858 | | -r | | | | | |
| X | TXC | STEDMAN, DO | onald H. an | a SMITH, | Dennis L.; "N | O, Data | gby Remote | sensing"; | |
| L, | 1,,, | Coordinatir | ig Research | Council | 1995; pp. 4-4 | / & 4-6 | 3 | | |
| Y | ~/ | SHORE, P.R. | and DEVRI | ES, R.S. | ; "On-line Hyd | rocarbo | n Speciati | ion Using | |
| L | TXC | FTIR and CI | MS"; Soci | ety of Ai | utomotive Engi | neers 1 | 992; SAE # | #922246 | |
| Z | ~// | BISHOP, Gar | y A. and S | TEDMAN, [| Donald H.; "On | -Road C | arbon Mond | oxide | |
| | | Emission Me | easurement | Compariso | ons for the 19 | 88-1989 | Colorado | Oxy-Fuels | |
| | | Program"; E | Environment | nce & Technology 1990; pp. 24 & 843-847 | | | | | |
| AA | | STEDMAN, DO | nald H., B | ISHOP, G | ary, PETERSON, ensing in the | James | E., and GE | UNTHER. | |
| | TXC | Paul L.; "C | n-Road CO | Remoté Se | ensing in the | Los Ana | eles Basir | ı": CA-ÉPA | |
| | 17.00 | (CARB) 1991 | ; pp. 24 & | 843-847 | J | 9 | | , | |
| BB | 1011 | x-Rite Inco | rporated: | "A Guide | to Integratin | a Spher | e Theory a | and | |
| | XC | Application | ıs": 2002 | www.lahsr | here.com | 5 2 Pinci | | | |
| CC | · · · | GELINTHER D | Paul L CT | EDMAN D | onald H., BISH | OD Can | V V DEAT | CNI | |
| 1 | , | Stuaret D | REAN 75m | CUMAN, DO | JIIATU H., BISH | or, Gar | y A., BEAL | UN, | |
| | 1 AXIC | Datacton fo | DEAN, JdM | to Compi | QUINE Richar | u W.; . | a Hyurocar | non | |
| [| 1,0 | of scientif | i the Remo | te Sensir | ng of Vehicle | Exnaust | EMISSIONS | , keview | |
| | L | or Scientif | ic instrum | | 1; vol. 66(4), | | 24-3029 | | |
| EXAN | MINER | / / / | 1 / 1 | / DA | ATE CONSIDERED | 0/ | 2 | | |
| | | ' / // | | 1 | | V /ก | 2 | | |
| ļ | | | 1 1 | | | <i>></i> / ² | | I | |

EXAMINER: Initial it reference considered whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Page 4of 6

JUN 2 1 2002 ATTY, DOCKET NO. SERIAL NO. LIST OF ART CITED BY TRANSPILICANT 87354.1561 09/846.375 APPLICANT Craig S. RENDAHL et al. (PTO-1449) FILING DATE GROUP 05/02/01 3929 U.S. PATENT DOCUMENTS EXAMINER'S PATENT NO. DATE CLASS SUBCLASS FILING DATE INITIALS TXC TXC 5,719,396 02/17/98 250 338.5 07/01/96 JACK et al. 5,726,450 В 03/10/98 PETERSON et al. 250 338.5 10/26/96 5,797,682 5,812,249 5,831,267 5,922,948 6,057,923 08/25/98 09/22/98 11/03/98 07/13/99 05/02/00 KERT et al. C TXC 374 123 01/31/97 D 356 TXC JOHNSON et al. 28 09/26/96 250 73 Ε JACK et al. 338.5 02/24/97 X TXL F LESKO et al. 117.3 01/09/95 04/13/99 02/11/00 12/31/98 G 356 364 SACHSE 7XC 6,230,087 05/08/01 $\overline{\mathsf{H}}$ DIDOMENICO et al. 701 29 250 TXC 6,307,201 10/23/01 DIDOMENICO et al 339.13 FOREIGN PATENT DOCUMENTS EXAMINER'S PATENT NO. CLASS Translation SUBCLASS INITIALS OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) STEPHENS, Robert D., MULAWA, Patricia A., GILES, Michael T., KENNEDY, Kenneth G., GROBLICKI, Peter J. and CADLE, Steven H.; "An K Experimental Evaluation of Remote Sensing-Based Hydrocarbon Measurements: A Comparison to FID Measurements"; Journal of Air and Waste Management Assoc. 1996; pp. 46 & 148-158

STEDMAN, Donald H.; "Automobile Carbon Monoxide Emissions";
Environmental Science and Technology 1989; Vol. 23#2, pp. 147-149

ADACHI, Masayuki, YAMAGISHI, Yutaka, INOUE Kaori and ISHIDA, Kozo;
"Automotive Emissions Analyses using FTIR Spectrophotometer"; Society L of Automotive Engineers 1992; SAE #920723 N KOPLOW, Michael D., JIMENEZ, Jose L., NELSON, David D., SCHMIDT, Stephan E.; "Characterization of On-Road Vehicle NO Emissions by Means of a TILDAS Remote Sensing Instrument"; Coordinating Research Council 1997; pp. 8-35 & 8-62

GUENTHER, Paul Leonard; "Contributions to On-Road Remoter Sensing of Automobile Exhaust"; University of Denver 1992

COX, Frank W., WALLS, John R. and CARREL, Mark W.; "Determination of Catalyst Oxidation and Reduction Efficiencies from Tailpine Emissions 0 P Catalyst Oxidation and Reduction Efficiencies from Tailpipe Emissions Measurements"; Society of Automotive Engineers 1997; SAE #972911 LAWSON, Douglas R., GROBLICKI, Peter J., STEDMAN, Donald H., BISHOP, Gary A. and GUENTHER Paul L.; "Emissions from In-Use Motor Vehicles in Los Angeles: A Pilot Study of Remote Sensing and the Inspection and Maintenance Program"; Journal of Air and Waste Management Assoc. 1990; Vol. 40#8, pp.1096-1105 Q STEDMAN, Donald H., BISHOP, Gary A. and PITCHFORD, Marc L.; "Evaluation of a Remote Sensor for Mobile Source CO EMISSIONS"; R University of Denver 1991; Rpt.# EPA 600/4-90/032 S MCLAREN, Scott E., STEDMAN, Donald H., GREENLAW, Pamela D., BATH, Raymond J., and SPEAR, Richard D.; "Comparison of an Open Path UV and FTIR Spectrometer; Air and Waste Management Assoc. 1992; Vol. 92-73.10 T BISHOP, Gary A., ZHANG, Yi, MCLAREN, Scott E., GUENTHER, Paul L., BEATON, James E., STEDMAN, Donald H., DUNCAN, John W., MCARVER, Alexander Q., PIERSON, William R., GROBLICKI, Peter J., KNAPP, Kenneth T., ZWEIDINGER, Roy B. and DAY, Frank J.; "Enhancements of Remote Sensing for Vehicle Emissions in Tunnels; Journal of Air and Waste Management 1994; Vol. 44, pp. 169-175 EXAMINER DATE CONSIDERED OZ

not in conformance and not-considered. Whether or not in conformance with MPEP 609; draw line through citation if not in conformance and not-considered. Include copy of this form with next communication to Applicant.

JUN 2 1 2002 2

Page 5of 6

| | | | T. | | ATTY. DOCKET | NO. | SERIAL NO | | | |
|--------------------------------|------------------------|--|---|-------------|-----------------------------------|--|--------------------|--|--|--|
| LIST OF ART CITED BY ARRESCANT | | | | | 87354.1561 | | 09/846,375 | | | |
| LIST OF ART CITED DI AMERICANT | | | | | APPLICANT | | | | | |
| | | | | | Craig S. RENDA | HL et al. | | | | |
| l | | (PTO-14 | 49) | FILING DATE | | GROUP | | | | |
| i. | | (1101) | • | 05/02/01 | | 3929 | | | | |
| | | | II S | DATENT | DOCUMENTS | | | | | |
| | EXAMINER'S | PATENT NO. | DATE | IAILI | NAME | CLASS | T SUBCLASS | FILING DATE | | |
| | INITIALS | | | | | | 30002.133 | | | |
| Α | | | | | | | | | | |
| В | | | | | | | | | | |
| C | | <u> </u> | | | | | | | | |
| D | <u></u> | <u> </u> | l | | | <u> </u> | | | | |
| L | WEGGALENES LE | 7 | | | T DOCUMENTS | | • | | | |
| | EXAMINER'S INITIALS | PATENT NO. | DATE | ļ | COUNTRY | CLASS | SUBCLASS | Translation | | |
| E | INTTALS | <u> </u> | | | | - | | | | |
| | OTH | ER ART (Inc) | udina Auth | or. Title | e, Date, Perti | nent Pa | nes: Etc.) | | | |
| F | | MCLAREN, So | cott E. and | STEDMA | N Donald H.; " | Tlux Me | asurement | s Usina | | |
| | TXC | lSimultaneou | us Long Pat | h Ultrav | iolet and Infr | ared Sp | ectroscopy | √": Air | | |
| <u> </u> |]] | and Waste M | Management | Assoc. 1 | 990; vol. 90-8 | 6.6 | | , | | |
| G | | BISHOP, Gai | ry A., MCLA | REN, Sco | 990; Vol. 90-8 tt E., STEDMAN | , Donal | d H., PIE | RSON, | | |
| | T+ 1. | William R. | , ZWEIDINGE | R, Roy B | . and RAY, Wil | liam D: | "Method | | | |
| | 17 | Comparisons | s of Vehicl | e Emissi | ons Measuremen | ıtş in t | he Fort Mo | CHenry and | | |
| | 1 ' | Tuscarora M | Mountain Tu | nnels"; / | Atmospheric En | ıvironme | nt 1996; \ | /ol. | | |
| ļ., | - | 30#12, pp. | 2307-2316 | D + 1 - C | | | | | | |
| Н | TXL | MCLAREN, SO | cott; open | Path Sp | ectrometers fo | or Atmos | pneric Mor | nitoring"; | | |
| I | 1/(- | University | or beliver | 1993 | C2 77 / A | <u> </u> | is a F on 5 | | | |
| + | | Remote Sens | sina ac a T | u bishur | , Gary A.; "An | ccione | Control": | coau Tllinoic | | |
| i | 171 | Remote Sensing as a Tool for Automobile Emission's Control"; Illinois | | | | | | | | |
|) | | Dept. of Energy & Natural Resources 1990; ILENR/RE-AQ-90/05 , STEDMAN, Donald H., PETERSON, James E. and MCVEY, IAIN F.; "On-Road | | | | | | | | |
| | 17/ | Carbon Monoxide and Hydrocarbon Remote Sensing in the Chicago Area"; | | | | | | | | |
| | | IIllinois De | ept. of Ene | rav & Na | tural Resource | 5 1991: | TIENR/RE- | -A0 - 91/14 | | |
| K | | LYONS, Card | ol E. and S | TEDMAN, [| Donald H.; "Re | mote Se | nsing Enha | inced | | |
| | TX1 | Motor Vehid | cle Emissio | ns Contro | ol for Pollution Reduction in the | | | | | |
| | | Chicago Metropolitan Area: Sit | | | | ting and Issue Analysis"; Illinois Dep | | | | |
| ļl | | of Energy & Natural Resources 1991; ILENR/RE-AQ-91/15 | | | | | | | | |
| L | | DURBIN, Thomas D., TRUEX, Timothy J. and NORBECK, Joseph M.; "Particulate Measurements and Emissions Characterizations of | | | | | | | | |
| | 77 | Particulat | te measurem | ents and | Emissions Cha | racteri | zations of | - | | |
| | 1 ' | Alternative Fuel Vehicle Exhaust"; National Renewable Energy | | | | | | | | |
| М | | Laboratory 1998; NREL/SR-540-25741; Subcont# ACI-7-16637-01 DIDOMENICO, John, JOHNSON, Jim, WEBSTER, Jason and RENDAHL, Craig S.; | | | | | | | | |
| 141 | 1/1 | "Preliminar | · JUHH, JUHH | from Col | d Start Sensor | SON and | a": Coordi | craig S.; | | |
| | 1 | Research Co | uncil 1997 | nn 4-1 | 71 & 4-72 | 163(111 | g , coorar | natring | | |
| N | | STEPHENS R | ohert D a | nd CADLE | , Steven H.; " | Pamota | Sancina | | | |
| ,, | 7-4.1 | Measurement | s of Carbo | n Monoxid | de Emissions f | rom On- | Boad Vehic | ·les"· | | |
| | 1 1 | Journal of | Air and Wa | ste Manad | gement Assoc. | 1991: V | 01.41#1 | nn 39-46 | | |
| 0 | | IIMENEZ. 10 | Se I MCR | AF Great | ory J., NELSON | David | D ZAHNI | SER Mark | | |
| | S 17 | S. and KOLE | 3. Charles | E.: "Remo | ote Sensing of | NO and | NO Emiss | ions from | | |
| l | 174 | Heavy-Duty | Diesel Tru | cks Usino | g Tunable Diod | e Laser | s"; Enviro | nmental | | |
| | , , | Science & T | echnology : | 2000; pp. | . 34 & 2380-23 | 87 | | | | |
| Р | | | | | ary A., GUENTH | | T L., PETE | RSON. | | |
| | 7 | James E., B | BEATON, Stu | art P. ar | nd MCVEY, Iain | F.; "R | emote Sens | ing of | | |
| | 10- | On-Road Veh | nicle Emiss | ions"; Ur | niversitý of D | enver 1 | 992; Contr | acť #VE- | | |
| | | 8-1 | | | | | 1 | | | |
| EXAM | IINER | | 11 | D/ | TE CONSIDERED | 11 | | | | |
| | | / /. | | | | (V / | メフィ | | | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

| | | \ | Z | _\$ \$/ | | | | | |
|--|--|--|-------------|--|---|--|---------------------------------------|---------------|--|
| | | | Con all | <i>\$</i> **/ | ATTY. DOCKET | NO. | SERIAL NO. | | |
| LIST OF ART CITED BY ATTECANT | | | | | 87354.1561 | | 09/846,375 | | |
| | | | | | APPLICANT | | <u></u> - | | |
| | | | | | Craig S. RENDA | HI et al | | | |
| | | (DTO 144 | 10) | | FILING DATE | Wile Ot al. | GROUP | | |
| l | | (PTO-144 | 19) | | 05/02/01 | | 3929 | | |
| ļ | | | | | 1 05/02/01 | | 3929 | | |
| | | | II C | DATENT | DOCUMENTS | | | | |
| | EXAMINER'S | PATENT NO. | DATE | TAILNI | NAME | CLASS | SUBCLASS | FILING DATE | |
| | INITIALS | PAILINI NO. | DATE | | NAME | CLASS | JOBCLASS | FILING DATE | |
| A | 1 | | | † | | 1 | | | |
| В | | | | | | · · · · · · · · · · · · · · · · · · · | | | |
| C | <u> </u> | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| | | | | | | | | | |
| D | | | | | | | | | |
| E | | — | | Ļ | | } | | | |
| F | | ļ | | <u> </u> | | | | | |
| G | | | | | | | | | |
| Н | | | | | | | | | |
| I | | | | | | <u> </u> | <u>i</u> | | |
| J | | [| | | |] | | | |
| K | | | | | | | | | |
| L | | | | | | | | | |
| М | | | | | (1 | 1 | 1 | · | |
| N | | | | - | - | 1 | 1 | | |
| 0 | | | | † | | | | | |
| P | | | | | | | <u> </u> | | |
| | | | | | | | - | | |
| Q | 1 | J | CORET | I CNI DATENI | T DOCUMENTS | 1 | 1 | | |
| | EXAMINER'S | PATENT NO. | DATE | | COUNTRY | CLASS | SUBCLASS | Translation | |
| | INITIALS | PATENT NO. | DATE | | COUNTRY | CLASS | SUBCLASS | 1141131461011 | |
| R | | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| | ОТНІ | R ART (Incl | udina Auth | or Title | e, Date, Perti | nent Pa | des. Etc.) | ' | |
| S | 1 | SINGER. Bre | tt C HAR | LEY. Rob | ert A., LITTLE | JOHN. D | avid. HO. | Jerry and | |
| | | VO. Thu: "S | caling of | Infrared | Remote Sensor | Hydroc | arbon Meas | urements | |
| VO, Thu; "Scaling of Infrared Remote Sensor Hydrocarbon Measu for Motor Vehicle Emission Inventory Calculations"; Environme | | | | | | | ental | | |
| | | Science and | Technolog | v 1998: | vol. 32#21, pp | . 3241- | 3428 | | |
| T | | ATKINSON, C | hris M. M | CKATN. D | avid L. GAUTA | M. Mric | ωT. FL-GAZ | ZAR. | |
| | Unc. | Laila. LYON | S. Donald | W. and C | avid L., GAUTA LARK, Nigel N. | : "Spec | iation of | Heavy | |
| | ITAC | Duty Diesel | Engine Ex | haust Em | issions": Coor | dinatin | g Research | Council | |
| | | Duty Diesel Engine Exhaust Emissions"; Coordinating Research Council | | | | | | | |
| U | | 1995; pp. 5-71 & 5-92 CHANEY, Lucian W.; "The Remote Measurement of Traffic Generated | | | | | | | |
| | Carbon Monoxide"; Journal of Air Pollution Control Assoc. 1983; Vo | | | | | | | 983: Vol. | |
| | 17.0 | 33#3. pp.22 | 0-222 | | | | | | |
| | | TODD, Micha | el and BAR | TH. Mich | ael; "The Vari | ation c | f Remote S | ensina | |
| ` | TXL | Emission Me | asurements | with Re | spect to Vehic | le Spee | d and | | |
| | 1/\- | Acceleratio | n": Coordi | nating R | esearch Counci | 1 1995: | pp. 4-1 & | 4-14 | |
| W | | HOSHIZAKT. | H., WOOD | A.D and | KEMP. D.D.: "V | ehicle | Inspection | : _ u^ | |
| '' | (X/- | HOSHIZAKI, H., WOOD, A.D and KEMP, D.D.; "Vehicle Inspection Instrumentation"; Lockheed Missiles & Space Company 1973; | | | | | | | |
| | 1 | ARB-3C-235- | | inicou ili | control a opace | . copai | .,, | | |
| X | 1 7 | SIGSBY, JR., John E., TEJADA, Silvestre and RAY, William; "Volatile | | | | | | | |
| , | ITIX | Organic Com | nound Emis | sions fr | om 46 In-Use P | assende | r Cars" | 5.42.76 | |
| | 17 | Environment | al Science | & Techni | nlogy 1987: pn | 21 & | 466-475 | | |
| EYAN | I | | 7 / | A CCITI | ology 1987; pp | ; · · · · · · · · · · · · · · · | | | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.